

Notice of Allowability

Application No.

10/804,624

Examiner

Dharti H. Patel

Applicant(s)

JOSEPHSON ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 02/07/2007.
2. ☒ The allowed claim(s) is/are 1-5, 7, 9, 11-23, and 25-26.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

The following is an examiner's statement of reasons for indicating allowance of claim 1: The prior art discloses an integrated circuit comprising a first sub-circuit coupled to a first power supply rail providing a first power supply voltage; a second sub-circuit coupled to a second power supply rail providing a second power supply voltage; a first power supply modulator, coupled to the first sub-circuit and comprising a first plurality of shunts coupled to the first power supply rail, the modulator modulating the first power supply voltage without modulating the second power supply voltage; but does not disclose a first shunt controller, coupled to the at least one first shunt, comprising means for activating a predetermined subset of the first plurality of shunts. This feature in combination with the rest of the claim limitations is not anticipated or rendered obvious by the prior art of record.

The following is an examiner's statement of reasons for indicating allowance of claim 14: The prior art teaches a first sub-circuit, a second sub-circuit, but does not disclose a first plurality of shunts coupled to the first power supply rail and to the first sub-circuit to modulate the first power supply voltage without modulating the second power supply voltage; first shunt control means, coupled to the first plurality of shunts, for activating a predetermined subset of the first plurality of shunts for a first predetermined period of time in response to receipt of a trigger signal; output identification means for identifying an actual output of the first-sub-circuit while the first power supply modulation means modulates the first power supply voltage; and comparison means, for comparing

the actual output to an expected output of the first sub-circuit. This feature in combination with the rest of the claim limitations is not anticipated or rendered obvious by the prior art of record.

The following is an examiner's statement of reasons for indicating allowance of claim 15: The prior art does not disclose the step of in response to receipt of the trigger signal, modulating the first power supply voltage without modulating the second power supply voltage, wherein the modulating comprises activating a predetermined subset of a first plurality of shunts. This feature in combination with the rest of the claim limitations is not anticipated or rendered obvious by the prior art of record.

The following is an examiner's statement of reasons for indicating allowance of claim 25: The prior art does not disclose the step (C) of prior to the step (B), delaying the trigger signal by a predetermined delay to produce a delayed trigger signal; wherein the step (A) comprises a step of receiving the delayed trigger signal; and wherein the step (B) comprises a step of modulating the first power supply voltage without modulating the second power supply voltage in response to receipt of the delayed trigger signal. This feature in combination with the rest of the claim limitations is not anticipated or rendered obvious by the prior art of record.

The following is an examiner's statement of reasons for indicating allowance of claim 26: The prior art does not disclose the step of activating a subset of a first plurality of shunts for a first predetermined period of time to

modulate the first power supply voltage by a first amount in response to receipt of the trigger signal; and in response to receipt of the trigger signal, activating a subset of a second plurality of shunts for a second predetermined period of time to modulate the second power supply voltage by a second amount which differs from the first amount; wherein the steps are performed contemporaneously. This feature in combination with the rest of the claim limitations is not anticipated or rendered obvious by the prior art of record.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dharti H. Patel whose telephone number is 571-272-8659. The examiner can normally be reached on 8:30am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on 571-272-2800, Ext. 36. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

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free). If you would like assistance from a USPTO Customer Service

Representative or access to the automated information system, call 800-786-

9199 (IN USA OR CANADA) or 571-272-1000.

DHP

04/28/2007

Stephen W. Jackson
4-30-07

STEPHEN W. JACKSON
PRIMARY EXAMINER